

# Integrate with ABBYY for OCR

## Problem Statement

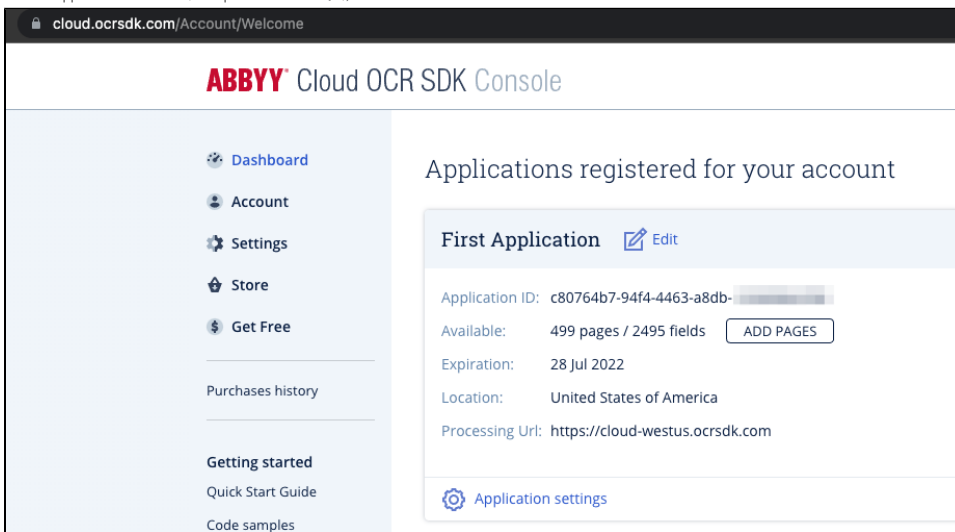
This is a demo to show integration with Joget and ABBYY. In this demo, we will be performing the following steps with the reference to the documentation <https://support.abbyy.com/hc/en-us/articles/360017326279-How-to-work-with-Cloud-OCR-SDK>.

## Process Flow / Integration Points

1. Upload a file from Joget to ABBYY using ABBYY's "processImage" method.
2. Perform a call from Joget to ABBYY using ABBYY's "getTaskStatus" method to retrieve the task status of the previous call.
3. Perform a call from Joget to ABBYY to retrieve the processed file, using path retrieved in the previous step. This is the result of processImage in step 1.

## Setting Up Demo App

1. Prepare the following:-
  - ABBYY Application ID (example: **c80764b7-94f4-aaaa**).
  - ABBYY Application Password (example: **Rad#sfewfwc/5**), and



The parameters can be found in the dashboard of your account.

2. Using the values above, we can compute the basic auth header (**Authorization**) value too. (example: **Basic Yzg2wNzvY034aYjvc5tOTvR556m**)
3. Obtain and install the plugins listed in this article.
4. Import the attached Joget app in this article into your copy of Joget.

5. Navigate to **Properties and Export** and set the value into variable **auth** prepared in step 2.

Design App: ABBYY Cloud OCR Demo

Version 1 Published

Forms & UI

Processes

Properties & Export

Addon Builders

Performance

Logs

All Apps

Add Environment Variable Add Message Add Resource Set Plugin Default Properties Export

Notes Environment Variable Message Resources Plugin Default Properties

Search

ID	VALUE	REMARKS
auth	Basic YzgwNzY0Yj	

15 Page 1 of 1 Displaying 1 to 1 of 1 Items

Delete

6. Publish the app by clicking to "Version 1" on top left. Select version 1 and publish.

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Add Environment Variable Add Message Add Resource Set Plugin Default Properties Export

APP CONFIGURATION MANAGEMENT

Manage App Version Delegate App Designer Role Git Configuration

VERSION	PUBLISHED	NOTES	DATE CREATED	DATE MODIFIED
1	✓		28-04-2022 10:56 PM	30-04-2022 08:17 AM

15 Page 1 of 1 Displaying 1 to 1 of 1 Items

New Version Publish Unpublish View Delete

7. Launch the app.

Design App: ABBYY

Version 1 Published

Forms & UI

Processes

Properties & Export

Addon Builders

Performance

Logs

All Apps

Create New Form Create New Datalist Create New Userview

FORMS

Upload Doc abby\_request

LISTS

List - 1-Upload Doc

USERVIEW

ABBY

Launch

8. We are now ready to run the demo.

## Running the Demo App

1. Click **"New"** button, key in a title, and upload the document to be sent for OCR.

The screenshot shows the 'Step 1 - Upload Document' form. At the top, there's a header 'ABBY CLOUD OCR DEMO' with a home icon and a user profile 'Hugo Lim'. Below the header is a 'Manage Docs' section with a count of 0. The main content area has a breadcrumb 'Home > Manage Docs'. The form itself is titled 'Step 1 - Upload Document'. It has two input fields: 'Title' with the value 'Picture 003' and 'Upload Doc' which is a file upload area. The upload area shows a file 'Picture\_003.jpg' with a 'remove' link. Below the upload area are 'Save' and 'Cancel' buttons. At the bottom right, there is a 'Print' button.

Submitting the form will trigger the first API to ABYY - <https://support.abbyy.com/hc/en-us/articles/360017269680-processImage-Method>

2. Once submitted, we will be redirected to the listing. Upon successful call of the API, a task ID will be assigned to the document.

The screenshot shows the document listing page. The header is the same as the previous page. The 'Manage Docs' section now shows a count of 1. The main content area has a breadcrumb 'Home > Manage Docs'. Below the breadcrumb is a table with the following columns: 'DATE CREATED', 'TITLE', 'UPLOAD DOC', 'TASK ID', 'RESULT URL', and 'DOWNLOADED'. The table contains one row with the following data: '02-05-2022 02:13 PM', 'Picture 003', 'Picture\_003.jpg', 'b646011f-fef9-4937-9d4c-3a53044a459a', and 'Step 2 - Fetch'. There are 'New' and 'Delete' buttons at the bottom left. At the bottom right, there is a 'One item found.' message and links for 'CSV', 'Excel', 'XML', and 'PDF'.

DATE CREATED	TITLE	UPLOAD DOC	TASK ID	RESULT URL	DOWNLOADED
02-05-2022 02:13 PM	Picture 003	Picture_003.jpg	b646011f-fef9-4937-9d4c-3a53044a459a	Step 2 - Fetch	Edit

Click on "Step 2 - Fetch" to retrieve the task result. This will make a call to <https://support.abbyy.com/hc/en-us/articles/360017269860-getTaskStatus-Method>

3. The result URL column will then be populated.

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Manage Docs 1

Home > Manage Docs

10 Show

<input type="checkbox"/>	DATE CREATED	TITLE	UPLOAD DOC	TASK ID	RESULT URL	DOWNLOADED
<input type="checkbox"/>	02-05-2022 02:13 PM	Picture 003	Picture_003.jpg	b646011f-fef9-4937-9d4c- 3a53044a459a	https://ocr...	<a href="#">Step 2 - Fetch</a> <a href="#">Step 3 - Download</a> <a href="#">Edit</a>

One item found.

[CSV](#) | [Excel](#) | [XML](#) | [PDF](#)

New Delete

Powered by Joget

We can then click on "Step 3 - Download" to download the processed file / result.

4. We can click on the link in "Downloaded" column to download the processed file / result.

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Manage Docs 1

Home > Manage Docs

10 Show

<input type="checkbox"/>	DATE CREATED	TITLE	UPLOAD DOC	TASK ID	RESULT URL	DOWNLOADED
<input type="checkbox"/>	02-05-2022 02:13 PM	Picture 003	Picture_003.jpg	b646011f-fef9-4937-9d4c- 3a53044a459a	https://ocr...	<a href="#">b646011f-fef9-4937-9d4c- 3a53044a459a.result</a> <a href="#">Step 2 - Fetch</a> <a href="#">Step 3 - Download</a> <a href="#">Edit</a>

One item found.

[CSV](#) | [Excel](#) | [XML](#) | [PDF](#)

New Delete

Powered by Joget

## Plugins Used

- [Enhanced JSON Tool 7.0.2](#)
- [Form Update Process Tool Datalist Action 7.0.3](#)

## Download Joget App



APP\_abby-2-202...0502141939.jwa